

Scout Report sent out ☒

Noted in the NID File ☒

Location map pinned ☒

Approval or Disapproval Letter ☒

Date Completed, P. & A, or  
operations suspended \_\_\_\_\_

Pin changed on location map ☐

Affidavit and Record of A & P ☐

Water Shut-Off Test ☐

Gas-Oil Ratio Test ☐

Well Log Filed ☐

### FILE NOTATIONS

Entered in NID File ☒

Entered On SR Sheet ☒

Location Map Pinned ☒

Card Indexed ☒

W.R. for State or Fee Land \_\_\_\_\_

Checked by Chief \_\_\_\_\_

Copy NID to Field Office \_\_\_\_\_

Approval Letter ☒

Disapproval Letter \_\_\_\_\_

### COMPLETION DATA:

Date Well Completed 10-7-58

OW \_\_\_\_\_ WW \_\_\_\_\_ TA \_\_\_\_\_

GW \_\_\_\_\_ OS \_\_\_\_\_ PA ☒

Location Inspected \_\_\_\_\_

Bond released \_\_\_\_\_

State of Fee Land \_\_\_\_\_

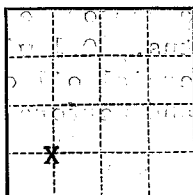
### LOGS FILED

Driller's Log ☒

Elect. Logs (No. ) \_\_\_\_\_

E \_\_\_\_\_ I \_\_\_\_\_ E-I \_\_\_\_\_ GR \_\_\_\_\_ GR-N \_\_\_\_\_ Micro \_\_\_\_\_

Lat. \_\_\_\_\_ Mi-L \_\_\_\_\_ Sonic \_\_\_\_\_ Others \_\_\_\_\_



(SUBMIT IN TRIPPLICATE)

Indian Agency Window Rock,

Arizona

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Allottee Navajo Tract 161

Lease No. 1420603-4304

## SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL		SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

August 8, 19 58

Well No. 1 is located 660 ft. from XXK line and 1820 ft. from XXK line of sec. 6

SW 1/4 Section 6 43 South 20 East 6th  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Wildcat San Juan Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~derrick floor~~ <sup>\*ground</sup> above sea level is 4525 ft. \*Altitude of the derrick floor will be reported when information is available.

### DETAILS OF WORK available.

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudlogging jobs, cementing points, and all other important proposed work.)

Pan American Petroleum Corporation proposes to drill a well at the above location to a total depth of 3900'. 60' of 20" 52.73# EW PE pipe will be set in surface to prevent water entry into well. 300' of 13-3/8" 48# H-40 surface casing will be set and cemented with approximately 325 sacks of regular cement from total depth to surface. 9-5/8" intermediate casing will be run and cemented at necessary depth if serious loss circulation encountered. If commercial production is obtained, 5 1/2" 14# J-55 casing will be run from total depth to surface and cemented with approximately 150 sx of cement. The estimated depths to the top of important markers are: Cutler-Surface, Hermosa - 2100' Paradox 2800', and Molas-3900'. If oil or gas is encountered it is expected to be encountered in the Paradox at 2800' or the lower Hermosa at 2100'. All shows with porosity will be cored. Anticipated zones with porosity are upper, lower, and middle Paradox and lower Hermosa. A drill stem test will be taken of all zones of interest indicated by samples, cores, logs and gas detector. An electric log will be run from surface casing

(SEE REVERSE SIDE)

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Pan American Petroleum Corporation

Address P. O. Box 458, Brush, Colorado

By /s/ G. A. Wilson

Title Field Superintendent

To total depth. Rotary tools will be used to drill the above well and a Bentonite base mud will be used with chemicals as needed for control of contaminatns. Oil will be added to the drilling mud if deemed necessary or beneficial. If commercial oil or gas is encountered casing will be set through any prospective horizons and perforated. Stimulation will depend upon type of pay zone encountered.

Ground elevation was obtained by land surveyor.

SEP 18 1958

LAND OFFICE Salt Lake  
LEASE NUMBER 1420603-4304  
UNIT Navajo Tract 161


## LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County San Juan Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of August, 1958

Agent's address P. O. Box 458, Brush, Colorado Company Pan American Petroleum Corporation

Phone Victor 2-2893

Signed \_\_\_\_\_   
Agent's title **Field Clerk**

SEC. AND ¼ OF ¼	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
SE SW 6	43S	20E	161-1	0						Drilling 902' Sn.

O-1: USGS  
 CC: HSS  
 CC: OGOC - Utah  
 CC: File

0-1: USGS  
CC: HSS  
CC: OGOC - Utah  
CC: File

NOTE.—There were 0 runs or sales of oil; 0 M cu. ft. of gas sold;

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

September 11, 1958

Pan American Petroleum  
P. O. Box 458  
Buwash, Colorado

Attention: F. A. Wilson, Field Superintendent

Gentlemen:

It has come to the attention of this office that you have spudded in Well No. Navajo 161 - 1, located in the SE SW of Section 6, Township 43 South, Range 20 East, SLBM, San Juan County, Utah.

Please be advised that under the General Rules and Regulations and Rules of Practice and Procedure, Oil & Gas Conservation Commission of the State of Utah, a notice of intention to drill should have been submitted and approved by this office before drilling operations were commenced on the above mentioned well.

Therefore, please complete the enclosed Forms OGCC-1, Notice of Intention to Drill, in duplicate, and forward them to this office as soon as possible.

A plat or map prepared by a licensed surveyor or engineer, showing the proposed well location should accompany your notice of intention to drill.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT  
SECRETARY

CBF:CO

Encls. (Forms OGCC-1)

September 18, 1958

Pan American Petroleum  
P. O. Box 458  
Brush, Colorado

Attention: G. A. Wilson, Field Superintendent

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Navajo Tract 161-1, which is to be located 660 feet from the south line and 1820 feet from the west line of Section 6, Township 43 South, Range 20 East, SLEH, San Juan County, Utah.

Please be advised that insofar as this office is concerned, approval to drill said well is hereby granted.

This approval is conditional, however, upon a plat being submitted in accordance with Rule C-4, General Rules and Regulations and Rules of Practice and Procedure, Oil & Gas Conservation Commission, State of Utah.

Said approval terminates within 90 days if the above mentioned well has not been spudded in within said period.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT  
SECRETARY

CBF:co

cc: Phil McGrath  
USGS, Farmington,  
New Mexico

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

ALLOTTEE Pan American & Amerada  
TRIBE Navajo-Tract 161  
LEASE NO. 1420603-4304

**LESSEE'S MONTHLY REPORT OF OPERATIONS**

State Utah County San Juan Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of September, 1951,

Agent's address P.O. Box 438, Brush, Colorado Company Pan American Petroleum Corporation

Signed [Signature]

Phone Victor 2-2893 Agent's title Field Clerk

SEC. AND ¼ OF ¼	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
SWSW 6	43S	20E	1	0						Drilling 3985' lime and shale.

O-1: USGS  
CC: HSS  
CC: OGCC  
CC: FILE

NOTE.—There were No runs or sales of oil; No M. cu. ft. of gas sold;

runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.



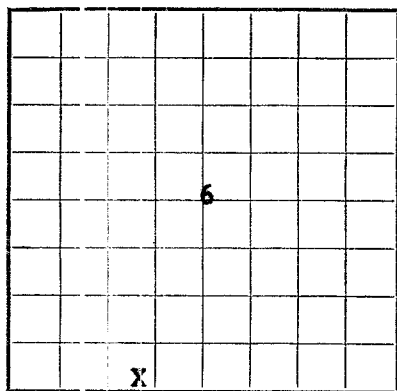


Farmington

U. S. LAND OFFICE New Mexico

SERIAL NUMBER 168660

LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## LOG OF OIL OR GAS WELL

Company Pan American Petroleum Corp. Address P. O. Box L, Brush, Colorado  
Lessor or Tract Navajo 161 Field Wildcat State Utah  
Well No. 1 Sec. 6 T. 43S R. 20E Meridian 6th County San Juan  
Location 660 ft. N of N Line and 1820 ft. W of W Line of SW 1/6 Elevation 4525  
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed

Date March 20, 1959Title Production Foreman

The summary on this page is for the condition of the well at above date.

Commenced drilling 8-26-58, 19 Finished drilling 10-7-58, 19

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from 500 cement block to top of surface No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from 500 cement block to 500 cement block No. 6, from \_\_\_\_\_ to \_\_\_\_\_  
500 cement block 3330 3330

## IMPORTANT WATER SANDS

No. 1, from \_\_\_\_\_ to \_\_\_\_\_ No. 3, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_

## Casing Record

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
13-3/8	48.2	8RT	40	379	float shoe				
HISTORY OF OIL OR GAS WELL									

## MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8	295'	350	Circulating		

## PLUGS AND ADAPTERS

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth set \_\_\_\_\_  
Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

FOLD MARK

13-3/8 295'

350

Circulating

## PLUGS AND ADAPTERS

Heaving plug—Material

Length

Depth set

Adapters—Material

Size

## SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

## TOOLS USED

Rotary tools were used from 0 feet to 4245 feet, and from feet to feet

Cable tools were used from feet to feet, and from feet to feet

## DATES

Put to producing 19  
 The production for the first 24 hours was barrels of fluids of which % was oil, % was gas, and % sediment.  
 Gravity, Be.

If gas well, cu. ft. per 24 hours

Rock pressure, lbs. per sq. in.

## EMPLOYEES

L. Bailey Driller  
 J. F. Snow Driller

## FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
3381	3423	42	
405	496	90	
496	2340	1844	
2340	2949	609	
2949	3117	168	
3117	3230	113	
3230	3420	190	
3420	3599	179	
3599	3865	266	
3865	4026	161	
3403	3423	20	
3380	3403	23	
3310	3381	71	
FROM—	TO—	TOTAL FEET	FORMATION

FORMATION RECORD—Continued

16-43094-4

# FORMATION RECORD-Continued

FROM-	TO-	TOTAL FEET	FORMATION
3370	3387	Core #1	Rec 16' LS, imbedded, Por fair to poor, 8' porosity, LS strong pungent odor, some bleeding sulphur.
3389	3403	Core #2	Rec 14' LM, Brown & grey sny x silty. 3390 - 92 fair to good porosity, fair stain bleeding oil.
3403	3453	Core #3	Rec 33-1/2'. 3403 - 34 LM, grey x brown, dense x tight. 3407 - 09 vertical fractures bleeding oil, poor stain x fluorescence. 3434 - 3435-1/2 Blk sh.
3453	4245	Core #4	4239 - 4245 Rec 6' Red Siltstone, hard, tight, x siltstone inclusions in top foot.
3453	3453	DST #1	PSA 3178 SI 30 min. Weak blow for 10 min x died. Rec 30' drl mud. BHP 45#, HH 1765#, BHPSI 345#
3453	3453	DST #2	Tool open 1-1/2 hrs, SI 30 min. Rec 25' drl mud. BHPF 0#, BHPSI 1120#, HH 1760#.
3381	3453	DST #3	Tool open 2 hrs, SI 30 min. Medium to weak blow 25 min and died. Rec 15' acid water x 90' fluffy acid. BHPF 50#, BHPSI 65#, HH 1635#.
3498	3704	DST #4	Tool open 4 hrs, SI 30 min. Weak blow throughout test. No gas to surface or in DP. Rec 1230' fluid, 780' drl mud, 450' water cut mud. BHPF 120 - 685#, BHPSI 1280#, HH 1860-1820#
3880	4022	DST #5	Tool open 3 hrs, SI 30 min. Weak blow throughout test. No gas to surface, No gas in DP. Rec 720' drl mud IFP 210#, FFP 420#, IHP 2135#, FHP 1995, SIP 1350#.
TOOLS USED			
SHOOTING RECORD			
LOGS AND ADVANCES			



**(SUBMIT IN TRIPLICATE)**

Indian Agency Window Rock, Ariz.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Allottee **Navajo Trust 161**

Lease No. 1420603-4304


## SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
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NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

April 13, 1950

Well No. 1 is located 640 ft. from S line and 1070 ft. from W line of sec. 6

**EN/A Section 6**  
(1/4 Sec. and Sec. No.)

43 South 10 East  
(Twp.) (Range)

(Meridian)

~~SECRET~~ (Field)

(County or Subdivision)

(State or Territory)

The elevation of the ~~deck~~ ~~roof~~ above sea level is 4622 ft. **Ground Elevation: 4639' previously reported as 4525'**

## DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Pen American Petroleum Corporation drilled the above well to a total depth of 4243' with no commercial show of oil and/or gas. 41' of 20" 19.250 conductor pipe was run and cemented with 2 sacks regular cement to prevent water entry. 279' of 13-3/8" 40# GRT H-40 casing cemented with 350 sacks 1 1/2 calcium chloride. Cores were cut as follows: Core No. 1 3370-3387 recovered 16' lime stone imbedded porosity fair to poor, non-effective 8', porosity, 8' non-effective porosity. Lime stone in anhydritic facies. Strong pungent odor. Some bleeding sulphur, shows some water. No hydrocarbons surrendered. Core No. 2 3389-3403. Recovered 14' lime, brown and gray, sandy and silty, show of oil 3390 to 3392. Fair to good porosity, fair stain, bleeding oil. Core No. 3. 3403-3453. Recovered 32.5' 3403-3434 lime gray and brown, dense & tight. Show of oil 3407 to 3409. Vertical fractures. Bleeding oil. Fair stain and fluorescent 3434-3453.5 black shale. (SEE REVERSE SIDE)

**I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.**

Company Pan American Petroleum Corporation

Address Box "L", Brush, Colorado

By A. G. Wilson

Title Field Superintendent

**CORE NO. 4. 4299-4343. Rock 6". Red siltstone, hard on light with siliceous inclusions in top feet.**

**Drill Stem Tests were taken as follows:**

**TEST #1. 3181-3193'. Packer set at 3178 tool open 1-1/2 hours. Shut in 30 min. Wash blow for 10 min and died, recovered 30' drilling mud.**

**TEST #2. 3340' - 3387'. Tool open 1-1/2 hrs. Shut in 30 min. Recovered 25' drilling mud.**

**TEST #3. 3381 - 3453 Used 30 gal 15% acid formation cleaner ahead of test. Tool open 2 hrs. Shut in 30 min. Medium to wash blow for 25 min and died. No gas to surface or in drill pipe. Recovered 15' acid water and 90' fluffy acid and gas cut mud.**

**TEST #4. 3498 - 3704. Tool open 4 hrs shut in 30 min. Wash blow throughout test. No gas to surface or in drillpipe recovered 780' drilling mud and 450' water cut mud.**

**TEST #5. 3834 to 4023. Tool open 3 hrs shut in 30 min. Wash blow throughout test. No gas to surface, no gas in drill pipe. Recovered 720' drilling mud.**

**Electric log was run to total depth with no shows of commercial production. The following formation tops were noted: Herman 2502, Upper Paradox 3078, B Zone Paradox 3230, C Zone Paradox 3438. Middle Paradox 3480. Lower Paradox 3807. Lower Herman 3997. Nolas 4139.**

**Well will be plugged as follows: 700' cement plug set 3330' to 3130'. 200' cement plug set 2602 to 2402, 200' cement plug 495 to 295 and 10 sack cement plug set in top of surface casing and a marker erected in accordance with existing regulations.**

**The 41' of 20" conductor pipe and the 279' of 9-5/8" surface casing will be abandoned in place and no attempt will be made to recover pipe or casing.**

**Verbal approval was obtained from United States Geological Survey before plugging operations were commenced.**

696157 8/15